

Title (en)
INTEGRATED FLUIDICS DEVICES WITH MAGNETIC SORTING

Title (de)
INTEGRIERTE FLUIDISCHE VORRICHTUNGEN MIT MAGNETISCHER SORTIERUNG

Title (fr)
DISPOSITIFS FLUIDIQUES INTÉGRÉS À TRI MAGNÉTIQUE

Publication
EP 2150350 B1 20120425 (EN)

Application
EP 08767853 A 20080523

Priority
• US 2008006599 W 20080523
• US 93179707 P 20070524

Abstract (en)
[origin: WO2008147530A1] A fluidic device employs one or more sorting stations for separating target species from other species in a sample. At least one of the sorting stations employs a magnetic field gradient to accomplish separation. In addition, the sorting station is integrated on a single substrate with one or more other modules for processing the sample. For example, the fluidic device may include both a sorting station and a separate trapping station that holds some or all components of the sample for additional processing. The trapping station may be located at a position upstream or downstream from the sorting module.

IPC 8 full level
B03C 1/015 (2006.01); **B03C 1/28** (2006.01); **B03C 5/02** (2006.01)

CPC (source: EP US)
B01L 3/502761 (2013.01 - EP US); **B03C 1/015** (2013.01 - EP US); **B03C 1/286** (2013.01 - EP US); **B03C 1/288** (2013.01 - EP US); **B03C 5/028** (2013.01 - EP US); **B01L 2200/0636** (2013.01 - EP US); **B01L 2200/0668** (2013.01 - EP US); **B03C 2201/18** (2013.01 - EP US); **B03C 2201/26** (2013.01 - EP US)

Cited by
US11420136B2; US2020282397A1; US2020173987A1; US11774445B2

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